

## EAST Search History

S25	5	S21 and ((potential or volt\$3 or charge) with surface with (photosens\$5)) same (oscillat\$3 or vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/13 14:19
S26	40	"3944354"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/13 14:18
S27	3	S20 and ((potential or volt\$3 or charge) with surface with (photosens\$5)) same (oscillat\$3 or vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/13 14:38
S28	16	"6177800"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/13 14:23
S29	2	"20030057977"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/13 14:26
S30	2	"20060171728"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/13 14:26
S31	8	MEMS and ((potential or volt\$3 or charge) with surface with (photosens\$5)) same (oscillat\$3 or vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/13 14:38
S32	2	"20060171728"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/09 16:13

*Updated Search (BS)*

## EAST Search History

S33	114	399/48.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/09 16:42
S34	47	399/73.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/09 16:45
S35	8201	((electric\$2 or volt\$3 or charg\$3 or potential) near6 measur\$3) with (oscillat\$3 or vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/09 17:04
S36	95298	"399".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/09 16:55
S37	70	S36 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/09 16:55
S38	5	((electric\$2 or volt\$3 or charg\$3 or potential) near6 measur\$3) with (oscillat\$3 or vibrat\$3) with (torsion near4 spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 13:48
S39	1	((electric\$2 or volt\$3 or charg\$3 or potential) near6 measur\$3) with (oscillat\$3 or vibrat\$3) with (torsion near4 spring).CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/09 17:11
S40	5	((electric\$2 or volt\$3 or charg\$3 or potential) near6 detect\$3) with (oscillat\$3 or vibrat\$3) with (torsion near4 spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 13:49

## EAST Search History

S41	1	((electric\$2 or volt\$3 or charg\$3 or potential) near6 sens\$3) with (oscillat\$3 or vibrat\$3) with (torsion near4 spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 13:50
S42	44727	((electric\$2 or volt\$3 or charg\$3 or potential) near6 (sens\$3 or detect\$3 or measur\$3)) with (oscillat\$3 or vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 14:06
S43	95330	"399".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 13:51
S44	243	S42 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 13:52
S45	0	((electric\$2 or volt\$3 or charg\$3 or potential) near6 (sens\$3 or detect\$3 or measur\$3) near surface) with (oscillat\$3 or vibrat\$3) with (butterfly)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 14:10
S46	1	((electric\$2 or volt\$3 or charg\$3 or potential) near6 (sens\$3 or detect\$3 or measur\$3)) with (oscillat\$3 or vibrat\$3) with (butterfly)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 14:10
S47	0	((electric\$2 or volt\$3 or charg\$3 or potential) near6 (sens\$3 or detect\$3 or measur\$3) near surface) with (oscillat\$3 or vibrat\$3) with (MEMS or micromechanical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 14:11
S48	111	((electric\$2 or volt\$3 or charg\$3 or potential) near6 (sens\$3 or detect\$3 or measur\$3)) with (oscillat\$3 or vibrat\$3) with (MEMS or micromechanical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 14:24
S49	3	("4566935"   "4699006"   "5061049").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/10 14:15

## EAST Search History

S50	2	("6595055").URPN.	USPAT	AND	ON	2007/05/10 14:16
S51	7	((electric\$2 or volt\$3 or charg\$3 or potential) near6 (sens\$3 or detect\$3 or measur\$3)) with (oscillat\$3 or vibrat\$3) same (torsion\$2 or twist\$3) same (MEMS or micromechanical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 14:27
S52	362	((electric\$2 or volt\$3 or charg\$3 or potential) near6 (sens\$3 or detect\$3 or measur\$3)) with (oscillat\$3 or vibrat\$3) same (torsion\$2 or twist\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 14:31
S53	1	S43 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 14:28
S54	0	("2006/0139719").URPN.	USPAT	AND	ON	2007/05/10 14:48
S55	4	("20020051332"   "4919500"   "4990808"   "6188504").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/10 14:50
S56	2	("6775039").URPN.	USPAT	AND	ON	2007/05/10 14:50
S57	7	("3064213"   "3264585"   "3490056"   "3638145").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/10 14:52
S58	3	("4137511").URPN.	USPAT	AND	ON	2007/05/10 15:34
S59	4	voltmeter same (torsion\$2 or twist\$3) same (oscillat\$3 or vibrat\$3)	USPAT	AND	ON	2007/05/10 15:35
S60	100	((volt\$3 or potential) near3 (measur\$3 or detect\$3 or sens\$3)) same (torsion\$2 or twist\$3) same (oscillat\$3 or vibrat\$3)	USPAT	AND	ON	2007/05/10 15:46
S61	1878	((field or potential or electric\$2 or volt\$3) near5 (detect\$3 or measur\$3)) same ((external or object or outside or surface) near5 (potential or electric\$2 or field or volt\$3)) same (vibrat\$3 or oscillat\$3)	USPAT	AND	ON	2007/05/10 15:59
S62	62	S43 and S61	USPAT	AND	ON	2007/05/10 15:52

## EAST Search History

S63	27	((field or potential or electric\$2 or volt\$3) near5 (detect\$3 or measur\$3)) same ((external or object or outside.or surface) near5 (potential or electric\$2 or field or volt\$3)) same (vibrat\$3 or oscillat\$3) same (torsion\$3 or twist\$3 or torque)	USPAT	AND	ON	2007/05/10 16:00
S64	1124	(((field or potential or electric\$2 or volt\$3) near5 (detect\$3 or measur\$3)) same ((external or object or outside or surface) near5 (potential or electric\$2 or field or volt\$3)) same (vibrat\$3 or oscillat\$3)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 16:00
S65	130	((field or potential or electric\$2 or volt\$3) near5 (detect\$3 or measur\$3)) same ((external or object or outside or surface) near5 (potential or electric\$2 or field or volt\$3)) same (vibrat\$3 or oscillat\$3) same (torsion\$3 or twist\$3 or torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 16:01
S66	130	S65 not S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 16:01
S67	3	("4566935"   "4699006"   "5061049").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/10 16:10
S68	2	("6595055").URPN.	USPAT	AND	ON	2007/05/10 16:45
S69	169	((potential or volt\$3 or electric\$2) same torsion\$2 same (oscillat\$3 or vibrat\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 16:47
S70	15	((potential or volt\$3 or electric\$2) same torsion\$2 same (oscillat\$3 or vibrat\$3) same electrode).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 17:12
S71	25	"4205267"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/10 17:16

## EAST Search History

S72	151	324/458.ccls.	US-PGPUB; USPAT	AND	ON	2007/05/10 17:30
S73	6	((surface near2 potential) or voltmeter) same (torsion\$2) same (oscillat\$3 or vibrat\$3)	US-PGPUB; USPAT	AND	ON	2007/05/10 17:31